

Work Order ID 151830 -1***151830***

Page 1

Tuesday, October 11, 2016 8:27:40 AM

Item ID: D5386-1

Accept

N900040100Setup Start ***NS1***

Revision ID:

Item Name: Valve

Stop ***NS2***

Start Date: 10/12/2016 Start Qty: 10.00

10

Cust Item ID:

Required Date: 10/26/2016 Req'd Qty: 10.00

10

Customer:

Reference:

Approvals: Process Plan:

DAS
21
9-89

Date:

OCT 11 2016

Tooling:

SPC (Y/N):

Date:

Date:

Run Start ***NR1***Stop ***NR2***Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

Draw Nbr

Revision Nbr

D5386

A

0.00

100

100

Purchasing

Purchasing

Memo

Issue P/O: 33908
Purchase Part Number: (212-061-501-001)
SUPPLIER: BELL HELICOPTERS
Certificate of conformity is required

0.00

10

OCT 11 2016

DAS
13
9-89

110

Receive & Inspect for Damage & Mat'l Certs

0.00

110

Packaging

Packaging

Memo

0.03

3x Split 7114

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Description Work Order Deviation				Disposition					

Root Cause				FAULT CATEGORY			
Environment ☐		No Re-verification ☐		Pressure/Forced ☐		Temperature/Cure ☐	
Design ☐		Operator ☐		Bending ☐		Set-up ☐	
Doc/Data ☐		Offset/Setup ☐		Centre Not Concentric ☐		BOM/Route ☐	
Equip/Tooling ☐		Supplier ☐		Cracks ☐		Broken/Damage/Defect ☐	
Handling/Pre ☐		Training ☐		Crimp/Kink/Ripple/Wave ☐		Inspection Incomplete/Unqualified ☐	
Material ☐		Use for Testing ☐		Cuffs ☐		Contamination ☐	
Internal Transport ☐		Poor Information ☐		Crushing ☐		Countersink ☐	
Tribal Knowledge ☐		Rushing ☐		Heat Treat ☐		Cut Too Short ☐	
LOA ☐		Product Improvement ☐		Wave/Twist in Tube ☐		Instructions Incomplete/Unclear ☐	
Substation ☐		Process Improvement ☐		Marks/Chatter ☐		Drill Holes ☐	
Past Expiry Date ☐		Manufacturing Process ☐		OTHER : _____			
Misidentified ☐		Past Due ☐					

Work Order ID 151830

Tuesday, October 11, 2016 8:27:40 AM

151830

Page 2

Item ID: D5386-1

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Valve

Start Date: 10/12/2016 Start Qty: 10.00

10

Cust Item ID:

Required Date: 10/26/2016 Req'd Qty: 10.00

10

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start ***NR1***

QC:

Date:

SPC (Y/N):

Date:

Stop ***NR2***Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

120

QC6- Inspect dimensions to drawing

0.00

120

QC

Memo

0.03

Quality Control

CLOSE VALVE AS PER DWG NOTE 9

3

NOV 14 2016
DAS
38
9-89

150

Identify as per dwg & Stock Location: ST/66 0.00***150***

Packaging

Memo

0.03

Packaging

3x

NOV 14 2016

DAS
26
9-89

160

QC21- Final Inspection - Work Order Release 0.00

160

QC

Memo

0.17

Quality Control

DAS
21
9-89

NOV 14 2016

DAS
21
9-89

NOV 14 2016

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					

Root Cause				FAULT CATEGORY			
Environment ☐		No Re-verification ☐		Pressure/Forced ☐		Temperature/Cure ☐	
Design ☐		Operator ☐		Bending ☐		Set-up ☐	
Doc/Data ☐		Offset/Setup ☐		Centre Not Concentric ☐		BOM/Route ☐	
Equip/Tooling ☐		Supplier ☐		Cracks ☐		Broken/Damage/Defect ☐	
Handling/Pre ☐		Training ☐		Crimp/Kink/Ripple/Wave ☐		Inspection Incomplete/Unqualified ☐	
Material ☐		Use for Testing ☐		Cuffs ☐		Contamination ☐	
Internal Transport ☐		Poor Information ☐		Crushing ☐		Countersink ☐	
Tribal Knowledge ☐		Rushing ☐		Heat Treat ☐		Cut Too Short ☐	
LOA ☐		Product Improvement ☐		Wave/Twist in Tube ☐		Instructions Incomplete/Unclear ☐	
Substation ☐		Process Improvement ☐		Marks/Chatter ☐		Drill Holes ☐	
Past Expiry Date ☐		Manufacturing Process ☐		OTHER : _____			
Misidentified ☐		Past Due ☐					

Picklist Print

Tuesday, October 11, 2016 8:27:45 AM

Page 1

Work Order ID: 151830

151830

Parent Item: D5386-1

D5386-1

Parent Item Name: Valve

Start Date: 10/12/2016

Required Date: 10/26/2016

Start Qty: 10.00

Required Qty: 10.00

Comments: IPP REV:A 16.01.21 NEW ISSUE DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
212-061-501-001		Purchased	No				Each	0.0000		10			
212-061-501-001									**	3x			
Valve										3x		10/16-11-14	

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



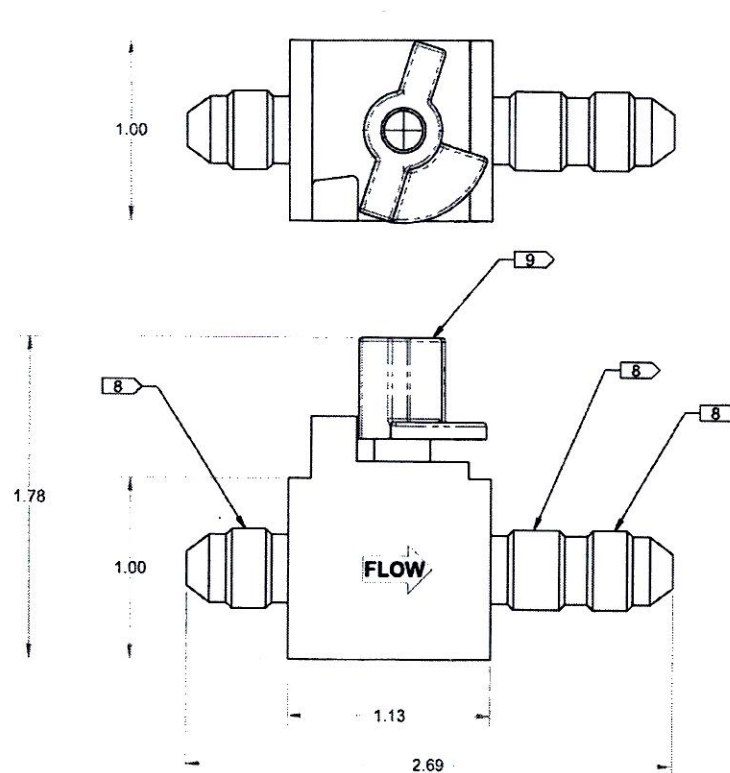
QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					

Root Cause				FAULT CATEGORY							
Environment	☐	No Re-verification	☐	Pressure/Forced	☐	Temperature/Cure	☐	Power Loss/Surge	☐	Positioned Wrong	☐
Design	☐	Operator	☐	Bending	☐	Set-up	☐	Folio/Program	☐	Outside Dimensions	☐
Doc/Data	☐	Offset/Setup	☐	Centre Not Concentric	☐	BOM/Route	☐	Grain	☐	Over/Under tolerance	☐
Equip/Tooling	☐	Supplier	☐	Cracks	☐	Broken/Damage/Defect	☐	Weld	☐	Part Incorrect	☐
Handling/Pre	☐	Training	☐	Crimp/Kink/Ripple/Wave	☐	Inspection Incomplete/Unqualified	☐	Wrong Stock Pulled	☐	Part Lost/Missing	☐
Material	☐	Use for Testing	☐	Cuffs	☐	Contamination	☐	Out of Sequence	☐	Part Moved	☐
Internal Transport	☐	Poor Information	☐	Crushing	☐	Countersink	☐	Off-set	☐	Drawing	☐
Tribal Knowledge	☐	Rushing	☐	Heat Treat	☐	Cut Too Short	☐	Mislabeled	☐	Finish	☐
LOA	☐	Product Improvement	☐	Wave/Twist in Tube	☐	Instructions Incomplete/Unclear	☐	Fit/Function	☐	Misread	☐
Substation	☐	Process Improvement	☐	Marks/Chatter	☐	Drill Holes	☐	Misaligned/off center	☐	Turning Sequence	☐
Past Expiry Date	☐	Manufacturing Process	☐	OTHER : _____							
Misidentified	☐	Past Due	☐								

SPECIFICATION CONTROL DRAWING



DART PART NUMBER	MANUFACTURER	MANUFACTURER PART NUMBER
D5386-1	AUTO VALVE INC	475C-61R
D5386-1	BELL HELICOPTERS	212-061-501-001

D5386-X VALVE

- NOTES:
- 1) MATERIAL: N/A
 - 2) FINISH: NONE
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: IDENTIFY PER DART QSI 044 6.1
 - 7) WEIGHT: 0.05 lbs
 - 8) THREADS SHALL BE 7/16-20UNJF-3A
 - 9) VALVE SHALL BE SPRING LOADED TO THE CLOSED POSITION

RELEASED
2016-10-05
CCW 14-588

APPROVED

A	NEW ISSUE	CC	16.01.07
REV.	DESCRIPTION	BY	DATE
DESIGN	CC	DART AEROSPACE USA, INC	
DRAWN	CC	EUGENE, OREGON, USA	
CHECKED	AK	DRAWING NO.	REV. A
MFG. APPR.	JLM	D5386	SHEET 1 OF 1
APPROVED	HS	TITLE	SCALE
DE APPR.	DS	VALVE	NTS
DATE	16.01.07	COPYRIGHT © 2016 BY DART AEROSPACE USA, INC.	

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SHOP COPY
RETURN TO
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UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER

NO. 151830 MJS
16-10-11

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :				MRB (QS1042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Description Work Order Deviation				Disposition					

Root Cause				FAULT CATEGORY			
Environment ☐	☐ No Re-verification	☐ Pressure/Forced	☐ Temperature/Cure	☐ Power Loss/Surge	☐ Positioned Wrong		
Design ☐	☐ Operator	☐ Bending	☐ Set-up	☐ Folio/Program	☐ Outside Dimensions		
Doc/Data ☐	☐ Offset/Setup	☐ Centre Not Concentric	☐ BOM/Route	☐ Grain	☐ Over/Under tolerance		
Equip/Tooling ☐	☐ Supplier	☐ Cracks	☐ Broken/Damage/Defect	☐ Weld	☐ Part Incorrect		
Handling/Pre ☐	☐ Training	☐ Crimp/Kink/Ripple/Wave	☐ Inspection Incomplete/Unqualified	☐ Wrong Stock Pulled	☐ Part Lost/Missing		
Material ☐	☐ Use for Testing	☐ Cuffs	☐ Contamination	☐ Out of Sequence	☐ Part Moved		
Internal Transport ☐	☐ Poor Information	☐ Crushing	☐ Countersink	☐ Off-set	☐ Drawing		
Tribal Knowledge ☐	☐ Rushing	☐ Heat Treat	☐ Cut Too Short	☐ Mislabeled	☐ Finish		
LOA ☐	☐ Product Improvement	☐ Wave/Twist in Tube	☐ Instructions Incomplete/Unclear	☐ Fit/Function	☐ Misread		
Substation ☐	☐ Process Improvement	☐ Marks/Chatter	☐ Drill Holes	☐ Misaligned/off center	☐ Turning Sequence		
Past Expiry Date ☐	☐ Manufacturing Process	OTHER : _____					
Misidentified ☐	☐ Past Due						



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO33908**

Purchase Order Date 10/11/2016

PO Print Date 10/18/2016

Page Number 1 of 2

Order From : VU-CRE001
CRESTWOOD TECHNOLOGY GROUP
1 ODELL PLAZA
SUITE 139

YONKERS, NY 10701
USA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

E-MAILED

OCT 18 2016

REVISED

Contact Name
Vendor Phone 1-866-779-0807

Ship To Contact
Ship To Phone
Ship Via: FedEx Economy collect
Ship Acct:

Buyer
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency USD
FOB FCA - (Free Carrier)

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
2	212-061-501-001 AS PER DWG D5386 REV. A BI51830 QUOTE NO. 3179214	Valve	10/21/2016 Yes 10/21/2016	FN	10.00 Each	\$285.00	\$2,850.00
						Line Total:	\$2,850.00
3	71401-45 Procurement Quality Clauses A005 RIGHT OF ENTRY A012 CHEMICAL AND PHYSICAL TEST REPORTS A016 PERSONNEL QUALIFICATION A026 CERTIFICATION OF MATERIAL CONFORMANCE A032 PUBLIC LAW 101-592 FASTENER QUALITY ACT A033 STATEMENT OF CONFORMITY/TEST RECORDS FOR NAS, AN and MS FASTENERS A040 NOTIFICATION OF QUALITY ESCAPE A041 QUALITY MANAGEMENT SYSTEM A043 RETENTION OF QUALITY DOCUMENT	PROCUREMENT QUALITY CLAUSES	10/14/2016 No 10/14/2016		1.00	\$0.00	\$0.00

PO Instructions: Fedex Acc# 151793240

Note:

10/18/2016



Crestwood Technology Group

1 Odell Plaza

Yonkers, NY 10701

Phone - 914-779-3500

Fax - 914-375-4508



PACKING LIST

Shipment #	4046643
Purchase Order #	PO33908
Sales Order #	1043829
Ship Date	11-10-16
Page #	1 of 1

Ship Via	Terms	Buyer	Account #	Salespeople	Entered By	Warehouse
FDX INT ECONOMY	NET 30	Linda Lacelle	002786	001	SHEALA	01

Sold To:

DART AEROSPACE LTD
1270 ABERDEEN STREET
HAWKERSBUR, ON K6A 1K7
CANADA

Ship To:

DART AEROSPACE LTD
1270 ABERDEEN STREET
HAWKERSBUR, ON K6A 1K7
CANADA

Phone:

LINE	ITEM # / DESCRIPTION	CUSTOMER ITEM # MANUFACTURER	U/M	QTY ORD	SHIPPED	CTG LOT # / DATE CODE
------	-------------------------	---------------------------------	-----	---------	---------	--------------------------

1 212-061-501-001
Valve Assembly

EA

10

3 2119225

JAS
38
1-89

DAS
26
9-89

NOV 14 2016

Use Freight Account : 151793240

Your purchase order is further governed by the policies, terms, and conditions as set forth in the "Terms and Conditions" section of our website www.ctg123.com/terms at the time of your purchase. If you cannot access this website, please call us at (914) 779-3500, ext.122 and a written copy will be provided to you. Your failure to review the Terms and Conditions does not waive any of the terms or conditions.

TERMS AND CONDITIONS OF SALE

Crestwood Technology Group (CTG) considers all sales to be non-cancelable, non-returnable, and non-refundable and cannot be rescheduled. The only exceptions may be if a customer reports to us in writing, within 7 calendar days of ship date, that the goods received do not conform to the manufacturer's stated form, fit or function (failure report required). For any RMA issues, please visit our website for details; www.ctg123.com/terms-of-sale. RMA's will not be accepted without a specific RMA number provided by CTG.



1 Odell Plaza
Suite 139
Yonkers, NY 10701-1402

(914) 274-6122 ph
(914) 470-4037 fax
moyna@ctgnow.com

Certificate of Compliance

Customer:	DART AEROSPACE LTD			Shipping Location:	HAWKERSBUR, ON CA		
Part #:	212-061-501-001	MFG:		Lot No:			
Qty:	3	Date Code:		Rev:			

It is hereby certified that all materials used in the manufacture of parts in the quantity called for on the subject purchase order conform to the material and or manufacturing specifications indicated in drawings or specifications as called for on said purchase order, and conform to the requirements of JESD 31 and JESD 625.



Brendan Moyna
Director of QA

Quality Assurance Control Document

Customer Purchase Order #: PO33908

Ship Date: 11/10/16

The contents of this shipment are certified accurate in the count and product specifications by the following team members:

Inspected by: _____



Packed by: _____



Remarks:

1AS
38
9-89

We pride ourselves in our commitment to quality and 100% accuracy. In the event of a discrepancy please return a copy of this paper with a discrepancy report. All claims must be made in writing within 7 calendar days of receipt of product to be valid.

Terms and Conditions of Sale

Crestwood Technology Group (CTG) considers all sales to be non-cancelable, non-returnable, and non-refundable and parts cannot be rescheduled. The only exceptions may be if a customer reports to us in writing, within 7 calendar days of receiving product, that the goods received a) are not the parts they ordered on their purchase order, or b) do not conform to the manufacturers stated form, fit or function for the product. For returns that we authorize with a Return Merchandise Authorization (RMA) in writing, CTG either will issue an in-house credit for a future purchase, replace the parts, or refund our client for the cost of goods purchased reflected on our invoice, at our sole discretion. CTG may charge a 25% restocking fee for parts that we authorize for a return (RMA). Our liability, resulting from the purchase or sale of any product, will always be limited to the cost of the goods purchased which is reflected on our invoice to the client. Your purchase order is further governed by the policies, terms, and conditions as set forth in the "Terms and Conditions" section on our website at www.ctg123.com/terms-of-sale at the time of your purchase. If you cannot access the website, please call us at (914) 779-3500, ext. 122 and a written copy will be provided to you. Your failure to review the Terms and Conditions does not waive any of the terms or conditions.